

APPROVAL AND CERTIFICATION CENTER  
PART 18 INSTRUMENT APPROVALS

| <u>APPROVAL NO.</u> | <u>COMPANY</u>                           | <u>ISSUE DATE</u> | <u>DESCRIPTION</u>  |
|---------------------|--|-------------------|---|
| 2G-2544             | GENRAD, INC<br>RESCINDED                 | 06/19/72          | MODEL 1933, 6 VDC, BATTERY-<br>POWERED PRECISION SOUND<br>LEVEL METER               |
| 2G-2567             | PULSAR INSTRU-<br>MENTS INC<br>RESCINDED | 11/14/72          | MODEL 15, 8 VDC, BATTERY-<br>POWERED SOUND LEVEL METER                              |
| 2G-2599             | WILLSON PRODUCTS<br>DIV, ESB INC         | 01/09/73          | MODEL 271, SOUND POWERED<br>SOUND BARRIER   |
| 2G-2600             | EDMONT-WILSON                            | 02/14/73          | MODEL 60-510, 18 VDC, BATTERY-<br>POWERED SOUND LEVEL METER                         |
| 2G-2614             | PHILLIPS BROAD-                          | 01/29/73          | 6VDC BATTERY-POWERED<br>CASTING EQUIPMENT<br>INFRARED VIEWER                        |
| 2G-2620             | EDMONT-WILSON                            | 02/14/73          | MODEL 60-520, 18 VDC, BATTERY-<br>POWERED SOUND DOSIMETER                           |
| 2G-2628             | U.S. BUREAU OF<br>MINES                  | 02/16/73          | 9 OR 15 VDC, RADIO FREQUENCY<br>ROOF FAILURE-DEFORMATION<br>GAGE                    |
| 2G-2644             | 3M COMPANY                               | 03/28/73          | MODEL W-2009, 12 VDC,<br>BATTERY-POWERED WHITE<br>CAPSUL II POWERED AIR<br>PURIFIER |
| 2G-2650             | BENDIX                                   | 04/27/73          | 9 VDC, BATTERY-POWERED COAL<br>MINE DUST PERSONAL SAMPLER                           |
| 2G-2652             | CREARE, INC                              | 04/27/73          | MODEL MB3, $\pm 15$ VDC, BATTERY-<br>POWERED VIBRATING WIRE<br>METER                |
| 2G-2670             | FMC CORP, TRANS-                         | 05/15/73          | 6 VDC, CABLE FAULT DETECTOR   |

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|                     | FERRED TO EIMCO<br>EASTERN MINING<br>TRANSFERRED TO<br>EIMCO COAL |                   |   |
| 2G-2671             | ENERGETICS<br>SCIENCE INC   | 06/04/73          | ECOLYZER, 5.6 VDC, CARBON<br>MONOXIDE MONITORS AND<br>INDICATORS                                    |
| 2G-2686             | ENVIRONMENTAL<br>INSTRUMENTS, INC                                 | 08/17/73          | TYPE 301, 12 VDC, BATTERY-<br>POWERED AIR FLOW SENSOR   |
| 2G-2696             | U.S. BUREAU OF<br>MINES   | 07/06/73          | BOREHOLE PROBE MARK 1A,<br>CONTAINING AN FM<br>TRANSMITTER AND LAMP<br>FLASHER, 20 VDC, STRATOSCOPE |
| 2G-2705             | DYNADYNE, INC   | 08/21/73          | MODEL 10, 4.2 VDC, BATTERY-<br>POWERED SAMPLING PUMP  |
| 2G-2708             | COLUMBIA RESEARCH<br>INC  | 08/09/73          | MODEL SPL-105, 9 VDC,<br>BATTERY-POWERED NOISE<br>DOSIMETER   |
| 2G-2711             | LASER ALIGNMENT   | 08/21/73          | MODEL 2500, 12 VDC, BATTERY-<br>POWERED LASER SYSTEM  |
| 2G-2728             | QUEST ELECTRONICS<br>(Transferred to 3M Company)                  | 11/05/73          | MODEL CA-12, 18 VDC, BATTERY-<br>POWERED SOUND CALIBRATOR   |
| 2G-2731             | DANIEL WOODHEAD<br>COMPANY  | 11/01/73          | 9 VDC, BATTERY-POWERED<br>ELECTRIC FIELD PROBE  |
| 2G-2735             | TEKTRONIX, INC  | 11/01/73          | MODEL J15 OPTION 1, $\pm 8.4$ VDC,<br>BATTERY-POWERED PHOTOMETER                                    |
| 2G-2736             | SPERRY-SUN  | 11/01/73          | 4.5 AND 10.5 VDC, TYPES A & B   |

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|                     |                                      |                   | SINGLE SHOT & MULTISHOT INSTRUMENTS                                     |
| 2G-2741             | SURVIVAIR                            | 11/06/73          | SELF-POWERED PORTABLE OXYGEN ANALYZER                                   |
| 2G-2743             | TELEDYNE<br>HASTINGS-RAYDIST         | 11/30/73          | MODEL AB-27, 3 VDC, BATTERY-POWERED AIR METER                           |
| 2G-2754             | C.E. SCRYMGEOUR<br>COMPANY           | 01/24/74          | 12 VDC, BATTERY-POWERED CABLE SPLICER                                   |
| 2G-2756             | ANATOLE J. SIPIN                     | 12/27/73          | MODELS SP-1 AND SP-2, COMPANY VDC, CHARCOAL TUBE PERSONAL SAMPLER PUMPS |
| 2G-2770             | WILLSON PRODUCTS<br>DIV, ESB INC     | 05/14/74          | MODEL IN-18, 9 VDC, BATTERY-POWERED NOISE DOSIMETER                     |
| 2G-2773             | ATLAS POWDER CO                      | 03/21/74          | MODEL 616A, 1.5 VDC, BLASTER'S MULTIMETER                               |
| 2G-2776             | E.D. BULLARD CO                      | 05/14/74          | MODEL 2000, 9.6 VDC, PORTABLE CARBON MONOXIDE MONITORS & INDICATORS     |
| 2G-2786             | GENERAL RADIO                        | 08/01/74          | MODEL 1983-9700, 9 VDC, BATTERY-POWERED SOUND LEVEL METER               |
| 2G-2790             | SKC INC<br>RESCINDED                 | 04/18/74          | MODELS 222-3 AND 222-4, 2.5 VDC, BATTERY-POWERED PERSONAL SAMPLING      |
| 2G-2793             | PULSAR INSTRUMENTS, INC<br>RESCINDED | 06/06/74          | MODEL 40, 12 VDC, BATTERY-POWERED SOUND LEVEL METER                     |

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| 2G-2799             | MIKRON INSTRUMENTS CO INC             | 08/20/74          | $\pm 2.7$ VDC, BATTERY-POWERED INFRARED THERMOMETER                    |
| 2G-2800             | MIKRON INSTRUMENTS CO INC             | 12/17/78          | MODEL 44, $\pm 2.7$ VDC, BATTERY-POWERED PORTABLE INFRARED THERMOMETER |
| 2G-2802             | BENDIX ENVIRONMENTAL SCIENCES DIV     | 10/22/74          | MODEL 300, 18 VDC, BATTERY-POWERED SOUND LEVEL METER                   |
| 2G-2806             | BENDIX ENVIRONMENTAL SCIENCES DIV     | 10/22/74          | MODEL 310, 9 VDC, BATTERY-POWERED SOUND LEVEL METER CALIBRATOR         |
| 2G-2809             | DYNASCIENCES CORP                     | 10/22/74          | MODEL CO 530-P, 6 VDC, BATTERY-POWERED DIGITAL ROOF TENSION MONITORS   |
| 2G-2816             | COLUMBIA RESEARCH LAB, INC<br>RESCIND | 11/19/74          | MODEL SP-204, 18 VDC, BATTERY-POWERED SOUND LEVEL METER                |
| 2G-2820             | PYOTT-BOONE, INC                      | 11/13/74          | 9 VDC, BATTERY-POWERED MEGATRON CABLE FAULT DETECTOR                   |
| 2G-2826             | SOILTEST, INC                         | 01/10/75          | MODEL RM-597, 3 VDC, BORESCOPE   |

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| 2G-2834             | E.I. DuPONT<br>DeNEMOURS & CO<br>TRANSFERRED TO<br>BITRONICS, INC.<br>TRANSFERRED TO<br>SAFETY DEVICES, INC. | 01/27/75          | MODEL 200, 1.5 VDC, BATTERY-<br>POWERED BLASTING OHMMETER                    |
| 2G-2838             | GENERAL ENERGY<br>DEVELOPMENT CORP   | 02/21/75          | MODEL LX-11, 9 VDC, LIGHT<br>LEVEL INDICATOR                                 |
| 2G-2858             | B.K. SWEENEY MFG   | 04/28/75          | SERIES 1167, 12 VDC, PORTABLE<br>TORQUE AUDITING SYSTEM                      |
| 2G-2867             | BENDIX ENVIRON-<br>MENTAL SYSTEMS,<br>DIV, TRANSFERRED<br>TO SENSIDYNE                                       | 05/30/75          | MODELS BDX 30 AND BDX 31,<br>3.75 VDC, BATTERY-POWERED AIR<br>SAMPLING PUMPS |
| 2G-2869             | B & K INSTRU-<br>MENTS, INC  | 03/10/76          | TYPE 2213, 18 VDC, BATTERY-<br>POWERED SOUND LEVEL METER                     |
| 2G-2870             | B & K INSTRU-<br>MENTS, INC  | 03/10/76          | TYPE 4425, 18 VDC, BATTERY-<br>POWERED PERSONAL NOISE<br>DOSIMETER           |
| 2G-2872             | NEILSON ASSOC.   | 06/06/75          | 5 VDC, BATTERY-POWERED<br>TOLUENE DIISOCYANATE<br>SAMPLING PUMP              |
| 2G-2876             | RESEARCH<br>APPLIANCE CO   | 06/16/75          | MODEL 2392-PS, 4.5 VDC,<br>BATTERY-POWERED PERSONAL<br>SAMPLING PUMP         |
| 2G-2880             | TRIPLETT CORP  | 07/21/75          | MODEL 60, TYPE 2, VOLT-<br>OHMMILLIAMMETER                                   |
| 2G-2882             | BECKMAN  | 08/05/75          | MODEL OM-12, 8.4 VDC,  |

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|                      | INSTRUMENTS INC<br>RESCIND                       |                   | BATTERY-POWERED OXYGEN ANALYZER  |
| 2G-2884              | DANA LABS, INC                                   | 08/21/75          | MODELS 2000 AND 2100, 9 VDC, BATTERY-POWERED DIGITAL VOLTMETER   |
| 2G-2885              | E.I. DuPONT<br>DeNEMOURS & CO, INC               | 08/25/75          | MODELS P125 AND P200, 6 VDC, BATTERY-POWERED PERSONAL AIR SAMPLING PUMPS                                   |
| 2G-2887              | HUGHES AIRCRAFT                                  | 08/22/75          | MODEL 649, 9.6 VDC, BATTERY-POWERED PROBEYE INFRARED VIEWER  |
| 2G-2888              | SIMPSON ELECTRIC                                 | 08/21/75          | MODELS 884 AND 886, 18 VDC, BATTERY-POWERED SOUND LEVEL METER  |
| 2G-2891              | QUEST ELECTRONICS<br>(Transferred to 3M Company) | 08/28/75          | MODEL 211FS, 18 VDC, BATTERY POWERED SOUND LEVEL METER   |
| 2G-2892              | QUEST ELECTRONICS<br>(Transferred to 3M Company) | 08/28/75          | MODEL 215, WITH OPTIONAL OCTAVE BAND FILTER MODULE, MODEL OB-45, 18 VDC, BATTERY-POWERED SOUND LEVEL METER |
| 2G-2897<br>WITHDRAWN | MINE SAFETY<br>APPLIANCES CO                     | 09/25/75          | MODEL 70, 2.4 VDC, BATTERY-POWERED CARBON MONOXIDE MONITORS & INDICATORS                                   |
| 2G-2899              | ENERGETICS<br>SCIENCE, INC                       | 10/20/75          | SERIES 7000, 7.5 VDC, BATTERY-POWERED NITRIC OXI AND NITROGEN DIOXIDE ANALYZERS                            |
| 2G-2910              | GENERAL RADIO CO                                 | 06/16/76          | MODEL 1954, 9 VDC, BATTERY-  |

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|                      |  |                   | POWERED NOISE DOSIMETER  |
| 2G-2912              | SPECTREX CO                                      | 12/11/75          | MODEL PAS-100, 8.4 VDC,<br>BATTERY-POWERED PERSONAL<br>AIR SAMPLING PUMP   |
| 2G-2913              | OCEAN ENERGY INC                                 | 12/10/75          | MODEL PP1200, 9 VDC, BATTERY-<br>POWERED PHOTOMETER  |
| 2G-2932              | AILTECH  | 03/15/76          | MODELS 880 AND 881, 5 VDC,<br>BATTERY-POWERED DIGITAL<br>ROOF TENSION MONITORS                                       |
| 2G-2933<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE CO                      | 03/03/76          | TYPE 52A (MSA PART NO.<br>695092) AND TYPE 2 (MSA PART<br>NO. 695090), 18 VDC, BATTERY-<br>POWERED SOUND LEVEL METER |
| 2G-2934<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE CO                      | 03/04/76          | NO. 695084, 9 VDC, BATTERY-<br>POWERED ACOUSTIC<br>CALIBRATOR  |
| 2G-2938              | GCA TECHNOLOGY<br>TRANSFERRED TO<br>MIE, INC     | 03/15/76          | MODEL RDM301B, 12 VDC,<br>BATTERY-POWERED RESPIRABLE<br>DUST MONITOR   |
| 2G-2943              | QUEST ELECTRONICS<br>(Transferred to 3M Company) | 03/30/76          | CA-15 SOUND CALIBRATOR   |
| 2G-2948              | AIRFLOW DEVELOP-<br>MENTS LIMITED                | 04/08/76          | MODEL E.D.R.A., 18 VDC,<br>BATTERY-<br>POWERED ANEMOMETERS   |
| 2G-2952              | GATX   | 04/13/76          | MODEL 7601, 28,15,12,5,-15 VDC,<br>BATTERY-POWERED DATA<br>ACQUISITION SYSTEM  |
| 2G-2961              | SPECTREX CO                                      | 05/28/76          | MODEL PAS-2000, 24 VDC,  |

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|                     |                                |                   | BATTERY-POWERED AIR SAMPLING PUMP   |
| 2G-2967             | E.I. DuPONT<br>DeNEMOURS & CO  | 08/12/76          | MODEL P-4000, 6 VDC, BATTERY-POWERED PERSONAL SAMPLING PUMP   |
| 2G-2968             | MICRO-GRADE LASER SYSTEMS, INC | 07/28/76          | MODELS 930 AND 930R, 12 VDC, BATTERY-POWERED LASER SYSTEM   |
| 2G-2971             | MICRO-GRADE LASER SYSTEMS, INC | 07/23/76          | MODEL 9570, 6 VDC, BATTERY-POWERED MICRO-SENSOR LASER SYSTEM  |
| 2G-2976             | MICRO-GRADE LASER SYSTEMS, INC | 08/09/76          | MODEL IGS-M, 12 VDC, BATTERY-POWERED LASER SYSTEM   |
| 2G-2982             | INTERNATIONAL SENSOR TECH.     | 08/30/76          | MODELS AG5000 CO, AG5000 ACRYLONITRILE, AG5000 NH3, AG5000 H2S, AG5000 CL2, AND AG5000 VCL, 9.6 VDC, BATTERY-POWERED GAS DETECTION INSTRUMENT |
| 2G-2987             | ENERGETICS SCIENCES, INC       | 11/02/76          | SERIES 6000 CARBON MONOXIDE AND SERIES 6000 HYDROGEN SULFIDE, 8 VDC, BATTERY-POWERED DETECTORS  |
| 2G-3003             | MICRO-GRADE LASER SYSTEMS, INC | 11/17/76          | MODEL 930/930R, 12 VDC, BATTERY-POWERED LASER SYSTEM  |

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| 2G-3022                     | UNITED DETECTOR TECHNOLOGY, INC                  | 05/16/77          | MODEL 69, 9 VDC, BATTERY-POWERED LIGHT METER                                    |
| 2G-3026                     | MDA SCIENTIFIC                                   | 05/10/77          | MODEL 808/818, 2.5 VDC, BATTERY-POWERED ACCUHALER PERSONAL SAMPLING PUMP        |
| 2G-3032                     | BENDIX ENVIRONMENTAL & PROCESS INSTRUMENTS DIV   | 06/08/77          | MODEL ADS-3000, 9 VDC, BATTERY-POWERED AUDIO DOSIMETER SYSTEM                   |
| 2G-3034                     | QUEST ELECTRONICS<br>(Transferred to 3M Company) | 06/16/77          | MODEL M-7/8, 9 VDC, BATTERY POWERED NOISE DOSIMETER                             |
| 2G-3040                     | HEWLETT PACKARD COMPANY                          | 07/15/77          | MODEL 3810A, 14.4 VDC, BATTERY-POWERED DISTANCE METER                           |
| 2G-3044                     | GENERAL RADIO ENVIROMEDICS DIV                   | 08/02/77          | MODEL GR1982, 3.8 VDC, BATTERY-POWERED PRECISION SOUND LEVEL METER & ANALYZER   |
| 2G-3058                     | E. LEITZ INC                                     | 09/22/77          | 12 VDC, BATTERY-POWERED TYNDALLOMETER, TM-DIGITAL DUST PHOTOMETER               |
| 2G-3061                     | SIMPSON ELECTRIC COMPANY                         | 10/04/77          | MODEL 891, 9 VDC, TRANSISTOR BATTERY OR 9 VDC, ALKALINE BATTERY NOISE DOSIMETER |
| 2G-3064<br><b>WITHDRAWN</b> | MINE SAFETY APPLIANCE                            | 10/11/77          | MODEL 8S NOISE DOSIMETER TYPE 2A-85/84.5-5, MODEL 90 NOISE DOSIMETER, TYPE      |

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|                      |   |                   | 2A/90/89.5-5  |
| 2G-3069              | E.I. DuPONT<br>DeNEMOURS & CO<br>TRANSFERRED TO<br>AMETEK | 11/03/77          | MODEL R-225, 9 VDC, BATTERY-<br>POWERED NOISE DOSIMETER<br>READOUT  |
| 2G-3099              | GENRAD INC  | 01/04/79          | MODEL 1981-B, 3.6 VDC,<br>BATTERY-POWERED SOUND<br>LEVEL METER  |
| 2G-3126              | QUEST ELECTRONICS<br>(Transferred to 3M Company)          | 11/28/78          | MODEL CA-32 SOUND<br>CALIBRATOR   |
| 2G-3128              | SIMPSON ELECTRIC  | 12/05/78          | MODELS 887 AND 890, 9 VDC,<br>BATTERY-POWERED SOUND<br>LEVEL CALIBRATORS  |
| 2G-3129              | INTERSCAN CORP  | 02/05/79          | SERIES 1000 PORTABLE TOXIC<br>GAS DETECTOR FOR CO, NO2,<br>H2S, SO2, AND C12                                    |
| 2G-3130              | ENERGETICS<br>SCIENCE, INC                                | 01/31/79          | SERIES 9000, WITH MONITOR<br>MODELS I AND II, CARBON<br>MONOXIDE DOSIMETER SYSTEM                               |
| 2G-3138<br>WITHDRAWN | MINE SAFETY<br>APPLIANCES CO                              | 02/05/79          | MODEL I, MINI CO, CARBON<br>MONOXIDE INDICATOR  |
| 2G-3140              | E.I. DuPONT<br>DeNEMOURS & CO                             | 03/14/79          | MODEL P2500, 4.8 VDC, AI<br>SAMPLING PUMP   |
| 2G-3143              | RACAL AIRSTREAM<br>(TRANSFERRED TO<br>3-M COMPANY)        | 03/29/79          | MODEL AH1 AND MODEL AH5, 5<br>VDC, POWERED BY BATTERY P<br>PACK MODEL AS3-4, AIRSTREAM<br>AIR PURIFYING HELMETS |

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| 2G-3147                     | HEWLETT PACKARD  | 04/17/79                                 | MODEL 3820A, 3.6 VDC, BATTERY-POWERED ELECTRONIC TOTAL STATION DISTANCE & ANGLE MEASURING INSTRUMENT                       |
| 2G-3149                     | BITRONICS INC<br>TRANSFERRED TO<br>SAFETY DEVICES, INC | 05/02/79<br><b>RESCINDED</b><br>10/22/98 | MODEL PD-3, 1-1/2 VDC, BATTERY-POWERED BLASTING GALVANOMETER   |
| 2G-3152                     | GENERAL ELECTRIC                                       | 05/17/79                                 | MODELS 15ECS1CO2-SENSOR,AND 15ECS3CO1-DECTECTOR,5.2 VDC, BATTERY-POWERED CARBON MONOXIDE SENSOR & CARBON MONOXIDE DETECTOR |
| 2G-3155<br><b>RETIRED</b>   | NATIONAL DRAEGER                                       | 05/24/79                                 | MODEL E14, 2.7 VDC, BATTERY-POWERED OXYLARM, OXYGEN DEFICIENCY ALARM   |
| 2G-3158                     | ENERGETICS<br>SCIENCE INC                              | 07/30/79                                 | MODEL NO. III, 7.5 VDC, BATTERY-POWERED HIPSTER SERIES 6000 TOXIC GAS DETECTOR   |
| 2G-3168<br><b>WITHDRAWN</b> | MINE SAFETY<br>APPLIANCES CO                           | 09/12/79                                 | MODEL C-200, 1.2 VDC, BATTERY-POWERED PORTABLE AIR SAMPLING PUMP   |
| 2G-3185                     | EXPANDED OPTICS  | 10/25/79                                 | MODEL 1000-36-S, 6 VDC, BATTERY-POWERED  |

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|                     |   |                   | STRATOSCOPE   |
| 2G-3200             | MDA SCIENTIFIC<br>TRANSFERRED TO<br>BAYER DIAGNOSTICS | 12/07/79          | MODEL NO. COMPUR 4100<br>MONITOX, 2.7 VDC, BATTERY-<br>POWERED TOXIC GAS<br>DETECTOR  |
| 2G-3201             | IRAD GAGE INC   | 10/07/80          | MODEL MB-6, 15 VDC, BATTERY-<br>POWERED VIBRATING WIRE<br>READOUT   |
| 2G-3202             | IRAD GAGE INC   | 04/01/80          | MODEL MB-7, 15 VDC, BATTERY-<br>POWERED SONIC PROBE<br>READOUT  |
| 2G-3239             | ENERGETICS<br>SCIENCE INC                             | 08/06/80          | MODELS 4150 AND 4155 CARBO<br>MONOXIDE MONITORS &<br>INDICATORS, AND MODEL 4460<br>HYDROGEN SULFIDE MONITOR,<br>12 VDC, BATTERY-POWERED 4000<br>SERIES ECOLYZER |
| 2G-3244             | 3M COMPANY  | 06/20/80          | MODEL W2940 AIRHAT HELMET<br>RESPIRATOR   |
| 2G-3286             | METROSONICS INC                                       | 02/19/81          | (METROLOGGER) MODEL DB-301,<br>9 VDC, BATTERY-POWERED<br>NOISE DOSIMETER USED WITH<br>THE MS-301P BOOM MICROPHONE<br>OR THE MS-301R PENDANT<br>MICROPHONE       |
| 2G-3291             | J-TEC ASSOC.,INC                                      | 02/12/81          | MODEL VP100, 6.0 VDC, BATTERY-<br>POWERED PORTABLE<br>ANEMOMETER  |

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| 2G-3303              | BENDIX<br>TRANSFERRED TO<br>SENSIDYNE                                 | 04/28/81          | MODEL BDX-60, CONSTANT FLOW<br>PUMP  |
| 2G-3312              | ANATOLE J. SIPIN<br>COMPANY, INC                                      | 06/16/81          | MODEL NOS. SP-15 AND SP-15A,<br>2.4 VDC, BATTERY-POWERED<br>PERSONAL SAMPLING PUMP |
| 2G-3313              | 3M COMPANY  | 06/22/81          | MODEL W-6230, 9 VDC, BATTERY-<br>POWERED NOISE DOSIMETER                           |
| 2G-3324              | NATIONAL MINE<br>SERVICE CO.,<br>TRANSFERRED TO<br>SCIENTIFIC DEVICES | 08/14/81          | MODEL SP200, 4.8 VDC,<br>BATTERY-POWERED PERSONAL<br>SAMPLING PUMP                 |
| 2G-3336<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE CO   | 10/05/81          | MODEL 245, 245R, PORTABLE<br>OXYGEN INDICATORS                                     |
| 2G-3342              | GCA CORPORATION<br>TRANSFERRED TO<br>MIE, INC                         | 10/15/81          | MODEL RAM-1, 6 VDC, BATTERY-<br>POWERED DUST MONITOR                               |
| 2G-3343              | SPECTREX CORP   | 10/20/81          | MODEL PAS-3000, 9.6 VDC,<br>BATTERY-POWERED PERSONAL<br>AIR SAMPLING PUMP          |
| 2G-3344<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE CO   | 11/02/81          | MODEL C-210, 2.4 VDC,<br>BATTERY-POWERED PORTABLE<br>SAMPLING PUMP                 |
| 2G-3350              | NATIONAL MINE<br>SERVICE CO<br>TRANSFERRED TO<br>SCIENTIFIC DEVICES   | 11/05/81          | MODEL OX230, 5 VDC, BATTERY-<br>POWERED PORTABLE OXYGEN<br>INDICATOR               |

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| 2G-3370                     | IRD MECHANALYSIS<br>Name changed to ENTEK IRD Intl Corp             | 02/23/82          | MODEL 810SA & MODEL 810MSA,<br>VDC, BATTERY-POWERED<br>VIBRATION-SPIKE ENERGY<br>CHECKER |
| 2G-3374<br><b>WITHDRAWN</b> | MINE SAFETY<br>APPLIANCES CO  | 03/12/82          | 4.8 VDC, BATTERY-POWERED<br>RESPIRATOR   |
| 2G-3377                     | GILIAN INSTRU-<br>MENT CORP Trans to<br>Sensidyne Inc.              | 03/25/82          | MODEL HFS113, 113T & 113UT,<br>4.8 VDC, BATTERY-POWERED<br>PERSONAL SAMPLING PUMPS       |
| 2G-3379                     | SIEMENS A.G.  | 03/24/82          | MODEL 8SG8080, 3 VDC GERMA<br>BATTERY-POWERED OHMMETER                                   |
| 2G-3381                     | BBN INSTRUMENT CO   | 06/03/82          | MODEL P-16, 15 VDC, POWER<br>SUPPLY & ACCELEROMETER                                      |
| 2G-3385                     | SIEMENS A.G.<br>GERMANY   | 06/07/82          | MODEL 8SG8081, 12 VDC<br>DIGITAL VOLTMETER   |
| 2G-3386                     | TRI TEK<br>ENGINEERING, INC   | 05/03/82          | MODEL T142R, 9 VDC, BATTERY-<br>POWERED CABLE SHORT FINDER                               |
| 2G-3390                     | E.I. DuPONT<br>DeNEMOURS & CO<br>TRANSFERRED TO<br>AMETEK           | 05/04/82          | MODEL MARK I, 9 VDC, AUDIO-<br>DOSIMETER ASSEMBLY  |
| 2G-3408                     | NATIONAL MINE<br>SERVICE CO<br>TRANSFERRED TO<br>SCIENTIFIC DEVICES | 08/13/82          | 5 VDC, STAC UNIT CALIBRATION<br>INSTRUMENT   |
| 2G-3410                     | SCHROEDER<br>BROTHERS CORP  | 08/11/82          | 12 VDC, ELECTRONIC HYDRAULIC<br>TESTER   |
| 2G-3411                     | MINE SAFETY   | 08/02/82          | MODEL IV, 9 VDC, CARBON  |

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| <b>WITHDRAWN</b>    | APPLIANCES CO   |                   | MONOXIDE MONITORS AND INDICATORS   |
| 2G-3420             | BECKMAN INSTRUMENTS   | 08/24/82          | MODEL NO. S HD100/110, 9 VDC DIGITAL MULTIMETERS                                   |
| 2G-3428             | APPALACHIAN ELECTRONIC INSTRUMENTS INC TRANSFERRED TO REI UNDERGROUND EXPLORATION | 09/10/82          | MODEL PDGS-2000, PUSH DRILL GUIDANCE SYSTEM  |
| 2G-3433             | EPSILON LAMBDA ELECTRONICS CORP. TRANSFERRED TO NORTHERN ILLINOIS GAS COMPANY     | 10/15/82          | MODEL NGX-5, 1.5 VDC, COMBUSTIBLE GAS DETECTOR                                     |
| 2G-3439             | NATIONAL MINE SERVICE CO. TRANSFERRED TO SCIENTIFIC DEVICES                       | 10/21/82          | MODEL MX241, 4.8 VDC, OXYGEN/ COMBUSTIBLE GAS DETECTOR                             |
| 2G-3462             | APPALACHIAN ELECTRONICS INSTRUMENTS, INC  | 06/02/83          | MODEL NO. CT-750, 6 VDC, BATTERY-POWERED CABLE TRACER                              |
| 2G-3465             | WILLSON SAFETY  | 03/21/83          | 3000 SERIES, 6 VDC, BATTERPRODUCTS POWERED BREATHING ASSIST RESPIRATOR             |
| 2G-3471             | CONOCO, INC TRANSFERRED TO CONSOLIDATION COAL CO                                  | 05/05/83          | MODEL NO. PDCDU001, 6 VDC, BATTERY-POWERED PORTABLE DATA COLLECTION & DISPLAY UNIT |

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| 2G-3476             | SKC INCORPORATED                | 06/01/83          | MODEL NOS. 222-0.5-1.5, 222-1-4, 222-3, 222-3-12, 222-4, AND 222-10-30, 2.4 VDC, BATTERY-POWERED AIR SAMPLING PUMPS |
| 2G-3478             | ENERGETICS                      | 05/16/83          | MODEL NO. 211M, 9 VDC, SCIEN BATTERY-POWERED CARBON MONOXIDE MONITOR  |
| 2G-3479             | E.I.T. CORP                     | 05/06/83          | MODEL "D" DISPOSABLE BLASTING GALVANOMETER, 1 VDC, SILVER CHLORIDE BATTERY-POWERED                                  |
| 2G-3482             | INTEGRATED SCIENCES, INC        | 06/08/83          | MODEL NO. RM1, 6 VDC, BATTERY-POWERED ROCK MONITOR  |
| 2G-3484             | GEO SCIENCE ELEC.               | 07/15/83          | MODEL 14, CABLELESS T.M. SURVEY SYSTEM  |
| 2G-3486             | ENERGY AND MINERALS RESEARCH CO | 06/17/83          | MODEL NO. 2, 24 VDC, BATTERY-POWERED ROOF BOLT BOND TESTER  |
| 2G-3493             | GENRAD INC                      | 08/10/83          | MODEL NO. 1987, 9 VDC, BATTERY-POWERED MINICAL SOUND LEVEL CALIBRATOR   |
| 2G-3494             | C-I-L INC                       | 10/18/83          | 2.7 VDC, BATTERY-POWERED CIRCUIT TESTER   |
| 2G-3497             | ECTRON CORP                     | 09/08/83          | MODEL NO. 4020A/4020BP/418, 12 VDC, BATTERY-POWERED UNDERGROUND SIGNAL  |

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|                     |   |                   | CONDITIONING SYSTEM   |
| 2G-3503             | NATIONAL MINE<br>SERVICE CO.,<br>TRANSFERRED TO<br>INDUSTRIAL SCIEN-<br>TIFIC DEVICES | 10/11/83          | MODEL NO. LD222, 4.8 VDC,<br>BATTERY-POWERED LEL<br>COMBUSTIBLE MONITOR         |
| 2G-3507             | ENMET CORP  | 11/16/83          | MODEL NO. WOA-20, 9 VDC,<br>BATTERY-POWERED OXYGEN<br>DETECTOR                  |
| 2G-3508             | ENMET CORP  | 11/16/83          | MODEL OMA-20, OXYGEN<br>DETECTOR  |
| 2G-3510             | SIMPSON ELECTRIC  | 11/30/83          | MODEL NO. 260-7, 9 VDC AND 1.5<br>VDC, BATTERY-POWERED VOLT-<br>OHMMILLIAMMETER |
| 2G-3518             | GRUBB PHOTO<br>SERVICE INC  | 12/20/83          | MODEL 1000, PHOTOFLASH UNIT   |
| 2G-3521             | SERATA GEO-<br>MECHANICS INC  | 01/27/84          | MODEL CRM-100, CLOSURE RATE<br>METER  |
| 2G-3525             | SCOTT AVIATION  | 03/01/84          | OXYGEN INDICATING DETECTOR  |
| 2G-3526             | CIL, INC  | 05/14/85          | MODEL II, 1.4 VDC, BATTERY-<br>POWERED BLASTING<br>GALVANOMETER                 |
| 2G-3527             | CSE CORP  | 02/23/84          | MODEL 140B, DIOGNOSTIC UNIT   |
| 2G-3528             | ENMET CORP  | 04/09/84          | MODEL CGS-80, HAZARDOUS GAS<br>& OXYGEN DEFICIENCY                              |

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|                      |   |                   | DETECTOR  |
| 2G-3532              | GCA/TECH DIV.<br>TRANSFERRED TO<br>MIE, INC   | 04/28/84          | MODEL PDM-1 AND PDM-3,<br>BATTERY-POWERED PERSONAL<br>DUST MONITORS   |
| 2G-3533              | MEASUREMENTS<br>GROUP, INC  | 04/12/84          | MODEL P-3500, 9 VDC, BATTERY-<br>POWERED PORTABLE STRAIN<br>INDICATOR |
| 2G-3544              | NATIONAL MINE<br>SERVICE CO.,<br>TRANSFERRED TO<br>INDUSTRIAL SCIEN-<br>TIFIC DEVICES | 05/30/84          | MODEL CO260, CARBON MONOXIDE<br>MONITOR                               |
| 2G-3545              | JOHNSON INDUS-<br>TRIES INC   | 05/31/84          | MODEL 001, 14.4 VDC, BATTERY-<br>POWERED LASER                        |
| 2G-3551              | GENRAD INC  | 06/29/84          | MODEL NO. 1986, OMNICAL<br>SOUND LEVEL CALIBRATOR                     |
| 2G-3552<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE  | 07/13/84          | MODEL MINIGARD II OXYGEN<br>COMBUSTIBLE INDICATOR                     |
| 2G-3553              | ENERGETICS<br>SCIENCE   | 07/06/84          | MODEL 260, OXYGEN MONITOR   |
| 2G-3554              | LaBELLE QUEST<br>ELECTRONICS<br>(Transferred to 3M Company)                           | 07/11/84          | MODEL 208/208L, LED SOUND<br>LEVEL METER                              |
| 2G-3556              | PPM INC   | 08/03/84          | MODEL HAM-IS, HANDHELD<br>AEROSOL MONITOR                             |

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| 2G-3564                     | SPM INSTRUMENT                                    | 08/29/84          | MODEL 43AX, SHOCK PULSE METER                 |
| 2G-3570<br><b>WITHDRAWN</b> | MINE SAFETY APPLIANCES CO                         | 09/20/84          | MINI H S HYDROGEN SULFIDE INDICATOR & ALARM   |
| 2G-3585                     | GILIAN INSTRUMENT CORP<br>TRANS TO SENSIDYNE INC. | 01/18/85          | MODEL LSF 113D/LSF 113DC, LOW FLOW SAMPLER    |
| 2G-3590                     | LABELLE QUEST<br>(Transferred to 3M Company)      | 01/25/85          | MICRO-15 NOISE DOSIMETER                      |
| 2G-3592<br><b>WITHDRAWN</b> | MINE SAFETY APPLIANCES                            | 02/07/85          | MODEL B, ACCESSORY PUMP                       |
| 2G-3597                     | SCOTT AVIATION                                    | 03/15/85          | PORTABLE BATTERY-POWERED SAMPLING PUMP        |
| 2G-3611                     | INDUSTRIAL SCIENTIFIC DEVICES                     | 05/10/85          | MODEL OX231, PORTABLE OXYGEN MONITOR          |
| 2G-3623                     | GEEKON INC  | 06/13/85          | MODEL GK 401, VIBRATING WIRE READOUT BOX      |
| 2G-3640                     | DUPONT TRANSFERRED TO AMETEK                      | 10/04/85          | ALPHA 1, PORTABLE AIR SAMPLING PUMP           |
| 2G-3653                     | GFG   | 01/22/86          | MODEL MICROCO G3011, CARBON MONOXIDE DETECTOR |
| 2G-3655                     | REL-TEK CORP                                      | 02/20/86          | FIREBOSS 1001, HANDHELD CO DETECTOR           |
| 2G-3665                     | JOHN FLUKE MFG.                                   | 06/11/86          | FLUKE 25 AND FLUKE 27, DIGITAL                |

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|                      |  |                   | HANDHELD MULTIMETER  |
| 2G-3667              | TIF INSTRUMENTS<br>A United Dominion Co.<br>Transferred to Fluke<br>Transferred to Amprobe Products<br>A Division of Fluke Corporation | 06/17/86          | MODEL TIF 300HV, AC, VOLTAGE<br>DETECTOR   |
| 2G-3668              | TIF INSTRUMENTS<br>A UNITED DOMINION CO.   | 06/20/86          | MODEL TIF 8800, COMBUSTIBLE<br>GAS DETECTOR  |
| 2G-3672              | INDUSTRIAL SCIEN-<br>TIFIC DEVICES   | 07/17/86          | MODEL HS265, PERMISSIBLE<br>HYDROGEN SULFIDE MONITOR   |
| 2G-3674<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE   | 08/20/86          | MSA FLOW-LITE PUMP   |
| 2G-3678              | E.I. DuPONT<br>TRANSFERRED TO<br>AMETEK  | 08/29/86          | P4L PORTABLE AIR SAMPLING<br>PUMP  |
| 2G-3682              | GILIAN INSTRU-<br>MENT CORP<br>TRANS TO SENSIDYNE INC.<br>TRANS TO SENSIDYNE INC.  | 10/01/86          | MODELS HFS513AL, HFS513AT,<br>HFS513AP, HFS513AU, HFS513A,<br>HFS513AUL, HFS513AUT,<br>HFS513AUP |
| 2G-3690              | SAFETY DEVICES   | 10/22/86          | PERMISSIBLE BLASTERS DIGITAL<br>(IA514)OHMMETER MODEL NO.<br>105                                 |
| 2G-3696              | TOP F ENTERPRISES  | 12/09/86          | MODEL TE-4320 PORTABLE (IA529)<br>TEMPERATURE MONITOR  |
| 2G-3697<br>(IA527)   | BIOSYSTEMS, INC<br>NAME CHANGED TO   | 12/31/86          | MODEL 100 ATMOSPHERIC<br>MONITOR   |

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|                           | SPERIAN PROTECTION<br>INSTRUMENTATION, LLC                             |                   |  |
| 2G-3703<br>(IA511)        | OMNIDATA INTER-<br>NATIONAL INC  | 03/09/87          | POLYCORDER MODEL 516-C-A-64<br>DATA RECORDER   |
| 2G-3705<br>(IA534)        | QUEST ELECTRONICS<br>LABELLE INDUSTRIES<br>(Transferred to 3M Company) | 04/28/87          | MODELS M-27 AND M-28 NOISE<br>LOGGING DOSIMETERS   |
| 2G-3712                   | INTEGRATED<br>SCIENCE  | 07/30/87          | MINE WIDE MONITORING SYSTEM<br>MODEL 1000  |
| 2G-3717                   | MINE SAFETY<br>APPLIANCE CO  | 08/10/87          | PART NO. 483725<br>UNIVERSAL CALIBRATOR  |
| 2G-3721<br><b>RETIRED</b> | NATIONAL DRAEGER   | 08/27/87          | MODEL 100-CO, 100HS AND 100-<br>502 GAS DETECTOR   |
| 2G-3723                   | SIMPSON ELECTRIC<br>COMPANY  | 10/06/87          | PERMISSIBLE BLASTERS MULTI-<br>METER MODEL 101A  |
| 2G-3728                   | SERATA GEO-<br>MECHANICS, INC  | 12/08/87          | MODEL USBM-DAS DATA ACQUI-<br>SION SYSTEM  |
| 2G-3730                   | MEFCOR, INC  | 12/07/87          | MODEL WL88A WARNING LIGHT  |
| 2G-3731                   | CAMPBELL SCIEN-<br>TIFIC, INC  | 03/07/88          | MODEL 21X DATA LOGGER  |
| 2G-3738                   | SIMPSON ELECTRIC   | 01/27/88          | PERMISSIBLE MODEL 893 NOISE<br>DOSIMETER/SOUND LEVEL<br>METER AND MODEL 894 MEMORY<br>STORAGE UNIT |
| 2G-3744                   | PYOTT-BOONE  | 03/04/88          | MODEL 806 CO DETECTOR  |

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|                     | ELECTRONICS  |                   |   |
| 2G-3750             | NEOTRONICS LTD   | 03/18/88          | PERMISSIBLE GAS DETECTORS<br>EXOTOX MODELS 40-F, 40-OF, 40-<br>OFH, 40-OFC, AND 50-OFCH |
| 2G-3755             | SMCO   | 04/29/88          | MODEL C2516 STRAIN GUAGE<br>READOUT UNIT  |
| 2G-3757<br>RETIRED  | NATIONAL DRAEGER                                       | 05/26/88          | MODEL 100 OXYGEN DETECTOR   |
| 2G-3804             | GILIAN INSTRU-<br>MENT CORP TRANS TO<br>SENSIDYNE INC. | 05/23/89          | AIR SAMPLING PUMP   |
| 2G-3812             | BRAMALL LASER<br>SYSTEMS                               | 07/10/89          | MODEL MK5 ALIGNMENT LASER   |
| 2G-3813             | INDUSTRIAL SCI-<br>ENTIFIC CORP                        | 07/12/89          | MODEL NO264 NITROGEN DIOXIDE<br>MONITOR   |
| 2G-3817             | INDUSTRIAL SCI-<br>ENTIFIC CORP                        | 07/25/89          | MODEL CO262 CARBON MONOXIDE<br>MONITOR  |
| 2G-3818             | INDUSTRIAL SCI-<br>ENTIFIC CORP                        | 07/25/89          | MODEL SO261 SULFUR DIOXIDE<br>MONITOR   |
| 2G-3819             | INDUSTRIAL SCI-<br>ENTIFIC CORP                        | 07/25/89          | MODEL HS267 HYDROGEN SULFIDE<br>MONITOR   |
| 2G-3822             | BITRONICS, INC   | 10/24/89          | PD3-2000, DIGITAL BLASTING<br>OHMMETER  |
| 2G-3829             | BHP ENGINEERING  | 11/07/89          | PORTABLE TRANSIENT<br>RECORDER SYSTEM   |

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| 2G-3837              | GRUBB PHOTO SERVICES, INC                           | 12/19/89                  | MODEL 500 PHOTO FLASH UNIT   |
| 2G-3839              | TRANSMITTON INC<br>TRANSFERRED TO<br>TRANSMITTON UK | 01/08/90                  | MODEL TX5053 DEAD LINE<br>CHECKER  |
| 2G-3841              | THOMAS INSTRUMENTS, INC                             | 02/06/90                  | MODEL 105 BLASTERS DIGITAL<br>OHMMETER   |
| 2G-3845              | GULLICK DOBSON<br>TRANSFERRED TO JOY                | 04/11/90<br>TYPE SM900218 | MACHINE POSITION   |
| 2G-3849              | CAMPBELL SCIENTIFIC, INC                            | 06/15/90                  | MODEL CR10QM DATALOGGER  |
| 2G-3850              | MST (MICRO-SENSOR TECH)                             | 06/20/90                  | MODEL MSTOX 8600 D PERSONAL<br>PORTABLE GAS MONITOR  |
| 2G-3865<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE INC                        | 02/14/91                  | MINIGARD III COMBUSTIBLE GAS<br>OXYGEN AND CARBON<br>MONOXIDE DETECTORS, GAS,<br>OXYGEN, AND HYDROGEN<br>SULFIDE DETECTORS |
| 2G-3869              | INDUSTRIAL<br>SCIENTIFIC CORP                       | 05/06/91                  | MODEL NO. NO268 PERMISSIBLE<br>NITROGEN DIOXIDE MONITOR<br>WITH 9V BATTERY-POWERED<br>EXTERNAL ALARM UNIT                  |
| 2G-3873              | KOEHLER MFG CO                                      | 06/05/91                  | MODEL 8100 BATTERY-POWERED<br>PERMISSIBLE CAUTION FLASHER  |
| 2G-3886              | GFG GAS<br>ELECTRONICS                              | 10/10/91                  | MODEL G 624 PERMISSIBLE<br>COMBUSTIBLE GAS DETECTOR  |

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| 2G-3890              | BAY INDUSTRIAL<br>AND MINE TECH, INC             | 12/12/91          | MODEL 4410 PERMISSIBLE<br>SAFETY WARNING LIGHT   |
| 2G-3892              | J AND N ENTER-<br>PRISES, INC                    | 12/17/91          | MODELS TRAK-IT PM AND TRAK-<br>IT DL PERMISSIBLE TOXIC GAS<br>DETECTORS AND MODEL TRAK-IT<br>PM-02 PERMISSIBLE PERSONAL<br>GAS MONITOR |
| 2G-3895<br>RETIRED   | NATIONAL DRAEGER                                 | 03/09/92          | MODELS DUALARM AND<br>TRIALARM PERMISSIBLE<br>PERSONAL GAS MONITORS  |
| 2G-3899              | QUEST ELECTRONICS<br>(Transferred to 3M Company) | 04/17/92          | MODELS 1400 AND 2400 SOUND<br>LEVEL METERS   |
| 2G-3900              | GILIAN INSTRUMENT<br>TRANS TO SENSIDYNE          | 04/23/92          | PERMISSIBLE PERSONAL AIR<br>SAMPLING PUMP  |
| 2G-3904<br>WITHDRAWN | MINE SAFETY<br>APPLIANCES CO.                    | 05/15/92          | MODEL MINICO 2000 PERMISSIBLE<br>CARBON MONOXIDE MONITOR   |
| 2G-3905              | B&W TECHNOLOGIES                                 | 05/13/92          | MODEL OXYCLIP OXYGEN<br>DEFICIENCY MONITOR   |
| 2G-3906<br>WITHDRAWN | MINE SAFETY<br>APPLIANCE CO.                     | 05/19/92          | MODEL MINIH2S 2000<br>PERMISSIBLE HYDROGEN SULFIDE<br>MONITOR  |
| 2G-3907              | REES INSTRUMENTS                                 | 05/27/92          | LINE POWERED R390 SERIES<br>TELEVISION SYSTEM  |

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| 2G-3910              | MINESAFE ELEC-<br>TRONICS, INC.                              | 06/17/92          | "HUNTER" MODEL 51-149 CABLE<br>SHORT FINDER   |
| 2G-3913              | ADS LASERS, INC<br>TRANSFERRED TO<br>PYOTT BOONE ELECTRONICS | 09/11/92          | MODEL ADSL-1 LASER SIGHT  |
| 2G-3915              | BLACK ARROW AND<br>POWDER SPORTS                             | 10/09/92          | MODEL SPAD MASTER LASER   |
| 2G-3917              | A.P. BUCK, INC   | 12/16/92          | MODEL I.H. AND MODEL S.S.<br>SAMPLING PUMPS   |
| 2G-3923              | B&W TECHNOLOGIES   | 04/13/93          | MODEL TOXYCLIP PERMISSIBLE<br>TOXIC GAS MONITOR                                     |
| 2G-3924<br>WITHDRAWN | MINE SAFETY<br>APPLIANCES CO.                                | 04/19/93          | MODEL ESCORT PORTABLE PUMP  |
| 2G-3925              | ANSUL FIRE<br>PROTECTION, INC                                | 04/30/93          | 7.2 VOLT BATTERY-POWERED<br>MODEL CHECKFIRE MP FIRE<br>DETECTION/SUPPRESSION SYSTEM |
| 2G-3926              | AFEX FIRE<br>SUPPRESSION SYS                                 | 05/07/93          | MODEL A109000 FIRE<br>SUPPRESSION CONTROL UNIT                                      |
| 2G-3929              | OMNIDATA INTNL.  | 05/11/93          | MODEL PC602MSHA PORTABLE<br>DATA RECORDER   |
| 2G-3930              | JOHNSON<br>INDUSTRIES, INC                                   | 05/21/93          | PATHFINDERLASER JUNIOR  |
| 2G-3931              | QUEST ELECTRONICS<br>(Transferred to 3M Company)             | 05/24/93          | MODELS QC-10 AND QC-20<br>ACOUSTIC CALIBRATORS                                      |
| 2G-3932              | UTAH FUEL COMPANY<br>NAME CHANGED TO                         | 06/22/93          | MODEL BLR-1, REMOTE SWITCH<br>SYSTEM  |

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|                     | CANYON FUEL CO.                            |                   |   |
| 2G-3933             | SULLIVAN ELECTRIC                          | 06/17/93          | MODEL LS-001, LONGWALL SHIELD REMOTE CONTROL              |
| 2G-3941             | WELLBORE NAVIGATION INCORPORATED           | 10/04/93          | MODEL WELNAV PEEWEE SS SINGLE SHOT MAGNETIC SURVEY SYSTEM |
| 2G-3943             | CONSOL, INC                                | 10/14/93          | BATTERY OPERATED WATER LEVEL METER                        |
| 2G-3944             | INDUSTRIAL SCIENTIFIC CORP                 | 10/14/93          | SINGLE GAS MONITOR WITH OPTIONAL VIBRATING ALARM          |
| 2G-3947             | SKF CONDITION MONITORING, INC              | 11/24/93          | MODEL CMVA30/M PORTABLE DATA COLLECTOR                    |
| 2G-3949             | BRAMALL LASER SYSTEMS, INC                 | 11/23/93          | MODEL MK7 ALIGNMENT LASER                                 |
| 2G-3950             | STRUCTURED MINING SYSTEMS, INC.            | 12/01/93          | MODEL ADS-100 ANGULAR DISPLAY SYSTEM                      |
| 2G-3954             | CONSOLIDATION COAL                         | 04/05/94          | MODEL FAIRPO WATER LEVEL RECORDER                         |
| 2G-3956             | MINE SAFETY APPLIANCES                     | 04/20/94          | PERSONAL ALARM  |
| 2G-3958             | QUEST TECH.<br>(Transferred to 3M Company) | 05/27/94          | MDLS 1500, 1505, 2500,2505 SOUND LEVEL METERS             |
| 2G-3968             | GEOKON, INC.                               | 10/06/94          | GK-701, SONIC PROBE READOUT                               |
| 2G-3982             | QUEST<br>(Transferred to 3M Company)       | 05/23/95          | MDL Q-100 NOISE DOSIMETER                                 |

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| 2G-3985<br><b>RETIRED</b> | NATL. DRAEGER  | 05/23/95          | MDL "MONITRON" PRESSURE<br>MONITORING AND DISPLAY DEVICE   |
| 2G-3997                   | CSE CORP.  | 1/17/96           | MDL. 3000 PORTABLE MULTIPLE<br>GAS MONITOR                 |
| 2G-4002<br>WITHDRAWN      | MINE SAFETY<br>APPLIANCES  | 04/04/96          | MINI SERIES PERSONAL ALARMS                                |
| 2G-4004                   | JOHNSON INDUSTRIES   | 04/17/96          | MDL. PATHFINDER SLIMM JIMM<br>ALIGNMENT LASER              |
| 2G-4007                   | QUEST TECH .<br>(Transferred to 3M Company)  | 04/25/96          | MDL. Q-200 AND Q-300<br>NOISE DOSIMETERS                   |
| 2G-4008                   | BIOSYSTEMS, INC.<br>NAME CHANGED TO<br>SPERIAN PROTECTION<br>INSTRUMENTATION, LLC.           | 05/22/96          | MDLS. PhD ULTRA AND PhD PLUS<br>MULTI GAS DETECTORS        |
| 2G-4011                   | INDUSTRIAL SCIENTIFIC<br>CORPORATION   | 06/11/96          | MDLS. CO (1810-2326) AND O2<br>(1810-2327) GASBADGE ALARMS |
| 2G-4022                   | LASER TOOLS CO., INC.  | 10/23/96          | MDL. L350 ALIGNMENT LASER                                  |
| 2G-4030                   | COMPUTATIONAL  | 04/28/97          | MDL.2115IS-MS ANALYZER                                     |
| 2G-4031                   | ADVANCED MINING<br>TECHNOLOGIES<br>(Name changed to<br>Industrea Mining Technology Pt. Ltd.) | 06/19/97          | MDL DDM-MECCA DIRECTIONAL<br>DRILL MONITOR                 |
| 2G-4036                   | SKC INCORPORATED   | 10/15/97          | MDL 224-44XRM, 224-PCXR4M<br>224-PCXRBM                    |

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| 2G-4038             | INDUSTRIAL SCI..<br>CORP.   | 10/27/97          | MDL T80 SINGLE GAS MONITOR                      |
| 2G-4040             | ROCTEST, INC.   | 02/09/98          | MDL. MB-6TL VIBRATING WIRE<br>DATALOGGER        |
| 2G-4045             | KASCO<br>VIA ROMANIA 12<br>42100 REGGIO<br>EMILIA, ITALY                        | 03/16/98          | MDL K80E T8 POWERED AIR<br>PURIFYING RESPIRATOR |
| 2G-4046             | SURVIVAIR   | 03/25/98          | MDL 523000 POWERED AIR<br>PURIFYING RESPIRATOR  |
| 2G-4050             | QUEST TECH.<br>(Transferred to 3M Company)                                      | 05/21/98          | MODEL 2900 UL SOUND LEVEL<br>METER              |
| 2G-4051             | QUEST TECH.<br>(Transferred to 3M Company)                                      | 05/21/98          | MODEL Q-50 NOISE DOSIMETER                      |
| 2G-4054             | TOOLOOM TECH.   | 06/19/98          | TYPE LP1002 ROOF MOVEMENT<br>MONITOR            |
| 2G-4057             | STRUCTURED MINING<br>SYS.   | 07/16/98          | MODEL BDT-100 INFRARED<br>TRANSMITTER           |
| 2G-4060             | INDUSTRIAL SCIEN.<br>CORP.  | 12/18/98          | MULTI-GAS MONITOR                               |
| 2G-4061             | BACH SIMPSON CORP.  | 10/9/98           | MODEL TS 393 DIGITAL                            |
| 2G-4063             | KH CONTROLS, INC.   | 02/02/99          | STAND ALONE LIGHTING SYS.                       |
| 2G-4064             | DRAEGER<br>SICHERHEITSTECHNIK<br>(TRANSFERRED TO DRAEGER MEDICAL SYSTEMS, INC.) | 02/03/99          | MODEL CMS GAS ANALYZER                          |

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| 2G-4065             | DRAEGER<br>SICHERHEITSTECHNIK<br>(TRANSFERRED TO DRAEGER MEDICAL SYSTEMS, INC.) | 02/16/99          | MODEL POLYTRON 2 XP REMOTE CONTROL                     |
| 2G-4066             | CONSPEC CONTROLS  | 02/22/99          | MODEL P2674 TRACKING TRANSMITTER                       |
| 2G-4067             | GEOPHYSICAL SURVEY SYSTEMS  | 03/03/99          | MODEL SIR-2MIS GROUND PENETRATING RADAR                |
| 2G-4071             | METRONICS, INC.   | 05/19/99          | MODELS DB-3060, DB-3070, DB-3080 SOUND LEVEL METERS    |
| 2G-4072             | EICKHOFF CORP.  | 06/09/99          | TYPE TELECONTROL FS04 RADIO REMOTE CONTROL TRANSMITTER |
| 2G-4073             | SAFETY DEVICES  | 06/10/99          | MODEL SD-103 BLASTING GALVANOMETER                     |
| 2G-4075<br>RETIRED  | DRAEGER SAFETY  | 06/25/99          | MODEL PAC III SINGLE GAS MONITOR                       |
| 2G-4080             | STRUCTURED MINING SYSTEMS, INC.   | 11/19/99          | MODELS TX-CMXX & TX-HXX TRANSMITTER ASSEMBLIES         |
| 2G-4081             | A.T.S. ELECTRO-LUBE INTERNATIONAL   | 09/01/99          | MODELS M125, J475 & B250 PERMISSIBLE LUBRICATORS       |
| 2G-4082             | ENGINEERING SEISMOLOGY GROUP CANADA   | 10/14/99          | HYPERION SEISMIC MONITORING                            |
| 2G-4084             | FORCED POTATO, INC  | 10/15/99          | TYPE U-OHR REMOTE CONTROL                              |
| 2G-4085             | VOEST-ALPINE CONTROL  | 11/04/99          | TYPES U-048, U-09D, U-040, U-06K,                      |

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|                     | SYSTEMS                        |                   | U-06S, & U-06H RADIO REMOTE CONTROL TRANSMITTERS                                     |
| 2G-4089             | MATRIC LIMITED                 | 04/14/00          | MODEL 500-669, BI-DIRECTIONAL HALL EFFECT STATION                                    |
| 2G-4091             | PENN STATE RESEARCH PARK       | 02/09/00          | MODEL 9900 SIPLE ACOUSTIC MONITOR AND THE MODEL 9901 MUFF-MOUNTED SAM                |
| 2G-4096             | MATRIC LIMITED                 | 07/14/00          | MODEL TX3, RADIO TRANSMITTER   |
| 2G-4098             | IMC TECHNICAL SERV.            | 07/28/00          | MODEL 1340 REMOTE READING TELL TALE SYSTEM   |
| 2G-4101             | CSE CORP                       | 10/31/00          | MDL 104 EXPLORER 4 MULTIPLE GAS MONITOR  |
| 2G-4106             | CENTURION SAFETY PRODUCTS, LTD | 11/03/00          | MDL. E140ISEWUSA MAX MINER PWRD RESPIRATOR MINERS HELMET RESPIRATOR SYSTEM           |
| 2G-4107             | ANSUL INCORPORATED             | 11/15/00          | CHECKFIRE MP-N VEHICLE FIRE DETECTION/SUPPRESSION SYSTEM                             |
| 2G-4108             | RIDGELINE, INC.                | 03/14/01          | PRO-EARS ELECTRONIC HEARING PROTECTORS (MODELS DIM-1, DIS-1, DIC-1 MINEAR-1, LM-77H) |
| 2G-4109             | ROCK MECHANICS                 | 04/04/02          | MODEL RDL-4 ACOUSTIC ENERGY METER  |
| 2G-4114             | TIFENBACH BERGBAUTECHNIK       | 09/21/01          | RADIO REMOTE CONTROL TRANSMITTER   |

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| 2G-4118             | DRAEGER SAFETY<br>(TRANSFERRED TO DRAEGER MEDICAL SYSTEMS, INC.) | 05/10/01          | Model micoPac Personal Gas Alarm   |
| 2G-4121             | LARSON DAVIS   | 10/30/01          | MODELS 703, 703+, 704, 705, 705+, 706, AND 706RC PERMISSIBLE NOISEDOSIMETERS |
| 2G-4122             | THOMAS INSTR.  | 06/15/01          | MODEL 106 PERMISSIBLE BLASTER'S DIGITAL OHMMETER                             |
| 2G-4125             | NIELSON-KELLERMAN  | 11/16/01          | MODEL KESTREL 2000 POCKET THERMO-WIND METER                                  |
| 2G-4126             | THERMO MIE   | 07/25/01          | MODELS PDR-1000AN AND PDR-1200 PERMISSIBLE REAL-TIME DUST MONITORS           |
| 2G-4127             | CATTROM THEIMEG  | 02/20/02          | MODEL T01MS RADIO REMOTE CONTROL   |
| 2G-4132             | DOSEBUSTERS USA  | 12/26/01          | MODEL 2002V4 ESP PERMISSIBLE NOISE DOSIMETER                                 |
| 2G-4137             | FORCED POTATO  | 07/19/02          | TYPE L0KN REMOTE CONTROL TRANSMITTER   |
| 2G-4168             | CONSPEC CONTROLS   | 08/07/03          | MODEL 911118 KEYPAD ENCODER  |
| 2G-4151             | ADVANCED HEARING PRODUCTS, INC.                                  | 08/13/03          | MODEL SOUND SENTRY 2.1 HEARING PROTECTION EARMUFFS                           |
| 2G-4160A            | CANYON FUEL CO.  | 08/21/03          | SHIELD SYSTEM POWER SUPPLY SYSTEM  |

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| 2G-4162             | MINE SITE TECH.                                   | 09/24/03          | MODEL TAG IV TRANSMITTER   |
| 2G-4164             | TECHNO TOOLS                                      | 09/25/03          | MODEL 69370 COMBUSTIBLE GAS LEAK DETECTOR                            |
| 18-A030001          | FALCONER ELECT. INC.                              | 10/31/03          | MODEL J100 LED FLASHING SIGNAL LAMP                                  |
| 18-A040003          | QUEST TECHNOLOGIES<br>(Transferred to 3M Company) | 04/22/04          | MODELS QUEST NOISEPRO AND METROSONICS DB-4000EZ NOISE DOSIMETERS     |
| 18-A040005          | STRUCTURED MINING SYSTEMS                         | 07/06/04          | MODELS TX-96X AND TX-97X RADIO REMOTE CONTROL TRANSMITTER ASSEMBLIES |
| 18-A040006          | EICKHOFF CORP.                                    | 10/21/04          | EICKHOFF BI-DI RADIO   |
| 18-A040008          | JOY MINING MACH.                                  | 11/15/04          | MODEL 5000019506 M-LOG SYSTEM  |
| 18-A050002          | WIZARD DEVICES, INC.                              | 05/31/05          | MODEL DSL BLASTING CIRCUIT TESTER                                    |
| 18-A050003          | STOLAR HORIZON                                    | 09/23/05          | RIM IV RADIO IMAGING DOWN-HOLE SYSTEM                                |
| 18-A050004          | FORCED POTATO, INC.                               | 07/06/05          | TYPE ML REMOTE CONTROL CONSOLE                                       |
| 18-A050006          | LASER TOOLS                                       | 09/16/05          | MODEL L80 POWERLINE SHEAVE ALIGNMENT LASER                           |
| 18-A050010          | STRUCTURED MINING SYSTEMS                         | 12/04/05          | MODEL TX-94X REMOTE CONTROL TRANSMITTER                              |

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| 18-A050012          | INDUSTRIAL SCIE.   | 12/14/05          | MODEL GASBADGE PLUS<br>PERSONAL SINGLE GAS<br>MONITOR  |
| 18-A060009          | DRAEGER SAFETY   | 04/21/06          | MODEL PAC 1000, 3000, AND<br>5000 GAS MONITOR  |
| 18-A060002          | GEOSTEERING<br>MINING SERVICES<br>(Transferred to Strata Proximity Systems, LLC) | 01/18/06          | MODEL TG-1100 PERSONAL<br>ALARM DEVICE   |
| 18-A060021          | NAUTILUS INTER.<br>CONTROL & ENGIN.  | 06/20/06          | MODEL BPRU BELTPACK<br>PROXIMITY RECEIVER UNIT   |
| 18-A060027          | CIRRUS RESEARCH  | 08/30/06          | MODEL CR:110AIS DOSEBADGE<br>NOISE DOSIMETER   |
| 18-A060028          | BIOMARINE-NTRON  | 09/22/06          | MODEL RMS PRESSURE AND<br>TEMPERATURE MONITORING<br>DEVICE   |
| 18-A070003          | DETECTOR ELECT.<br>CORP.   | 03/12/07          | 16 TO 32V, DC PIR9400<br>COMBUSTIBLE GAS<br>DETECTOR AND U9500<br>INFINITY GAS TRANSMITTER<br>SYSTEM |
| 18-A070005          | LASER TOOLS CO.  | 03/29/07          | MODELS 108081 AND 1080<br>LED PERMISSIBLE STROBE LIGHT   |
| 18-A070006          | JOY MINING MACH.   | 05/24/07          | MODEL XR1 HANDHELD<br>TRANSCEIVER  |

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| 18-A070008          | DRAEGER SAETY<br>(TRANFERRED TO DRAEGER<br>MEDICAL SYSTEMS, INC.) | 05/01/07          | MODEL PAC 7000 PORTABLE<br>SINGLE GAS MONITOR   |
| 18-A070010          | LASER TOOLS CO.   | 05/25/07          | MODELS GL350, GL222, GL56,<br>GL100M, GL80, AND GL700 GREEN<br>BEAM LASER TOOLS                                   |
| 18-A070009          | E.S.G. CANADA INC.  | 06/26/07          | PALADIN DATA ACQUISITION<br>SYSTEM  |
| 18-A070014          | NEILSEN-KELLERMAN   | 09/17/07          | MODEL KESTREL PMA2 POCKET<br>WIND METER   |
| 18-A070020          | TURBOFLARE USA  | 12/04/07          | MODEL TURBOFLARE<br>ELECTRONIC FLARE  |
| 18-A070021          | SPERIAN PROTECTION<br>INSTRUMENTATION<br>LLC                      | 12/14/07          | MODELS BIOSYSTEMS TOXI PRO,<br>BIOSYSTEMS TOXI LTD.,<br>BIOSYSTEMS TOXI 3 LTD<br>PORTABLE SINGLE GAS<br>DETECTORS |
| 18-A080001          | APP-TEK<br>INTERNATIONAL<br>PTY LTD                               | 01/22/08          | MODEL ODADISK   |
| 18-A080003          | BWI EAGLE, INC.   | 02/19/08          | MODEL 36-1200-BAT AND<br>MODEL 38-1300 RF<br>TRANSMITTERS   |
| 18-A080004          | GRACE INDUSTRIES<br>INC.  | 04/04/08          | MODEL MINE RESCUE ALARM<br>(M-R-A) MAN-DOWN ALARM   |

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| 18-A080008          | DRAEGER SAFETY, INC.<br>(TRANSFERRED TO DRAEGER MEDICAL SYSTEMS, INC.)  | 05/16/08          | MODEL SENTINEL BG4<br>ELECTRONIC SIGNALING<br>AND WARNING DEVICE                  |
| 18-A080010          | AUSTDAC PTY LTD.  | 07/30/08          | TYPE MFLA2 ROADSIDE FLASHER   |
| 18-A080013          | NAUTILUS INTERNATIONAL CONTROL & ENG. LTD   | 10/30/08          | MODEL FLAT-TOP BP-888<br>BATTERY CASE PROXIMITY<br>DETECTION CIRCUIT              |
| 18-A080014          | MATRIX DESIGN GROUP   | 10/28/08          | P/N M3-1000 MATRIX MINER<br>MONITOR PROXIMITY<br>MONITORING SYSTEM<br>TRANSMITTER |
| 18-A080015          | KH CONTROLS   | 11/05/08          | MODEL IC1 LASER RANGEMETER<br>ASSEMBLY  |
| 18-A080018          | AUSTDAC PTY LTD   | 11/19/08          | TYPE MFLA5 EMERGENCY<br>STROBE  |
| 18-A090002          | MATRIX DESIGN GROUP   | 03/16/09          | MODEL WAMS S1000 WIRELESS<br>CO MONITORING SENSOR                                 |
| 18-A090009          | CAVOTEC MICRO   | 11/12/09          | MODEL MC-3-6 EX REMOTE<br>RADIO CONTROL   |
| 18-A100001          | NIOSH SPOKANE RESEARCH LABORATORY<br>(Transferred to Golder Associates (UK) Ltd)<br>(Transferred to Trolex Limited) | 02/16/10          | MODEL M4GP16A/M4UIA<br>DATA LOGGING SYSTEM  |
| 18-A100002          | NL TECHNOLOGIES   | 03/23/10          | PERMISSIBLE COMPACT<br>ACCESS NODE SYSTEM   |
| 18-A100007          | GRACE INDUSTRIES  | 03/11/10          | LITE TRACKER 2000M SERIES   |

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|                     | INC.  |                   | PERSONAL SAFETY LIGHT  |
| 18-A100008          | QUEST TECH<br>(Transferred to 3M Company)                           | 04/27/10          | EDGE EG5 PERSONAL NOISE<br>DOSIMETER                         |
| 18-A100005          | NL TECHNOLOGIES   | 04/22/10          | FIXED ACCESS NODE  |
| 18-A100011          | DRAEGER SAFETY<br>(TRANSFERRED TO DRAEGER<br>MEDICAL SYSTEMS, INC.) | 04/22/10          | MODEL X-AM 500 HC<br>MULTI-GAS MONITOR                       |
| 18-A100014          | DRAEGER SAFETY<br>(TRANSFERRED TO DRAEGER<br>MEDICAL SYSTEMS, INC.) | 09/03/10          | MODEL PAC 350 AND<br>PAC 5500 GAS MONITORS                   |
| 18-A100015          | FLUKE CORPORATION   | 09/17/10          | MODEL 27II, MODEL 28II,<br>MODEL 28SI DIGITAL<br>MULTIMETERS |
| 18-A110002          | NIOSH<br>(Transferred to<br>Sensidyne, LP)                          | 2/24/11           | CDEM-1000 COAL DUST<br>EXPLOSIBILITY METER                   |
| 18-A110004          | STRATA PROXIMITY<br>SYSTEMS   | 03/31/11          | HA-PAD-2100 PERSONAL<br>ALARM DEVICE                         |
| 18-A110014          | FLUKE CORPORATION   | 11/09/11          | MODEL TIC 300 PRO VOLTAGE<br>DETECTOR                        |
| 18-A150004          | WEATHERHAWK   | 04/23/15          | SM-19 SKYMATE PLUS<br>HANDHELD WIND AND<br>WEATHER METER     |

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